



RECEIVE

DEC 18 2003

TECH. CENTER (4/03)

Approved for use through 10/31/2002 OMB 4451-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| | | | | | |
|--|---|----|---|------------------------|----------------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 09/875,297 |
| | | | | Filing Date | 6/7/2001 |
| | | | | First Named Inventor | DOUGLAS, RADWANSKI, DUCHON, ET A |
| | | | | Group Art Unit | 1641 |
| | | | | Examiner Name | Christopher L. Chin |
| Sheet | 1 | of | 6 | Attorney Docket Number | 7404-89 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Application of Cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| C | | 4,151,832 | 05-01-1979 | Hamer | |
| | | 4,360,016 | 11-23-1982 | Sarine | |
| | | 4,503,856 | 03-12-1985 | Cornell et al. | |
| | | 4,517,978 | 05-21-1985 | Levin et al. | |
| | | 4,622,974 | 11-18-1986 | Coleman et al. | |
| | | 4,648,408 | 03-10-1987 | Hutcheson et al. | |
| | | 4,653,511 | 03-31-1987 | Goch | |
| | | 4,653,513 | 03-31-1987 | Dombrowski | |
| | | 4,658,821 | 04-21-1987 | Chiodo et al. | |
| | | 4,678,757 | 07-07-1987 | Rapkin et al. | |
| | | 4,685,463 | 08-11-1987 | Williams | |
| | | 4,805,623 | 02-21-1989 | Jobsis | |
| | | 4,826,759 | 10-04-1984 | Guire et al. | |
| | | 4,850,973 | 07-25-1989 | Jordan et al. | |
| | | 4,858,607 | 08-22-1989 | Jordan et al. | |
| | | 4,873,993 | 10-17-1989 | Meserol et al. | |
| | | 4,883,068 | 11-28-1989 | Dechow | |
| | | 4,906,439 | 03-25-1986 | Grenner | |
| | | 4,920,977 | 05-01-1990 | Haynes | |
| | | 4,924,879 | 05-15-1990 | O'Brien | |
| ✓ | | 4,953,552 | 09-04-1990 | DeMarzo | |
| C | | 4,976,724 | 12-11-1990 | Nieto et al. | |

| | | | |
|--------------------|---------|-----------------|---------|
| Examiner Signature | C. Chin | Date Considered | 3/21/04 |
|--------------------|---------|-----------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



RT

WEMMH/8/08A (4/03)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| | | | | | |
|--|---|----|---|------------------------|----------------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 09/875,297 |
| | | | | Filing Date | 6/7/2001 |
| | | | | First Named Inventor | DOUGLAS, RADWANSKI, DUCHON, ET A |
| | | | | Group Art Unit | 1641 |
| | | | | Examiner Name | Christopher L. Chin |
| | | | | Attorney Docket Number | 7404-89 |
| Sheet | 2 | of | 6 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Application of Cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| u | | 4,994,068 | 02-19-1991 | Hufnagle | |
| | | 4,994,167 | 02-19-1991 | Shults et al. | |
| | | 4,994,238 | 02-19-1991 | Daffern et al. | |
| | | 4,999,287 | 05-19-1988 | Allen et al. | |
| | | 5,002,054 | 03-26-1991 | Ash et al. | |
| | | 5,014,718 | 05-14-1991 | Mitchen | |
| | | 5,029,583 | 07-09-1991 | Meserol et al. | |
| | | 5,035,704 | 07-30-1991 | Lambert et al. | |
| | | 5,054,499 | 10-08-1991 | Swierczek | |
| | | 5,066,859 | 11-19-1991 | Karkar et al. | |
| | | 5,070,886 | 12-10-1991 | Mitchen et al. | |
| | | 5,073,484 | 03-09-1982 | Swanson et al. | |
| | | 5,096,833 | 05-29-1990 | Lau et al. | |
| | | 5,108,889 | 04-28-1992 | Smith | |
| | | 5,163,442 | 11-17-1992 | Ono | |
| | | 5,164,294 | 05-18-1988 | Skold et al. | |
| | | 5,165,418 | 11-24-1992 | Tankovich | |
| | | 5,178,831 | 06-03-1988 | Sakota et al. | |
| | | 5,201,324 | 04-13-1993 | Swierczek | |
| | | 5,202,268 | 04-13-1993 | Kuhn et al. | |
| ↓ | | 5,217,480 | 06-08-1993 | Haber et al. | |
| u | | 5,223,220 | 03-27-1990 | Fan et al. | |

| | | | |
|--------------------|----------------|-----------------|---------|
| Examiner Signature | <i>C. Chin</i> | Date Considered | 3/21/04 |
|--------------------|----------------|-----------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



RECEIVED

DEC 18 2003

WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TECH CENTER 1800/2900

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

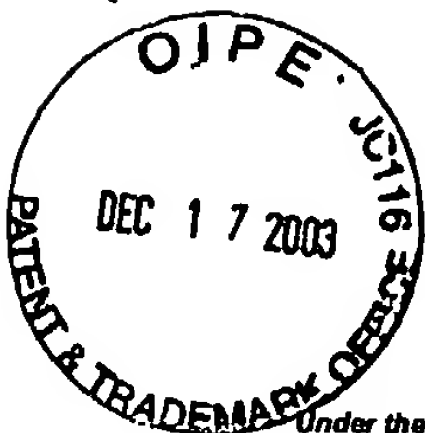
| Substitute for form 1449A/PTO | | | | Complete if Known | |
|---|--------------------------|---|--------------------------------|--|--|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 09/875,297 |
| | | | | Filing Date | 6/7/2001 |
| | | | | First Named Inventor | DOUGLAS, RADWANSKI, DUCHON, ET A |
| | | | | Group Art Unit | 1641 |
| | | | | Examiner Name | Christopher L. Chin |
| Sheet | 3 | of | 6 | Attorney Docket Number | 7404-89 |
| U.S. PATENT DOCUMENTS | | | | | |
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Application of Cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| u | | 5,231,993 | 08-03-1993 | Haber et al. | |
| | | 5,277,198 | 01-11-1994 | Kanner et al. | |
| | | 5,318,583 | 06-07-1994 | Rabenau et al. | |
| | | 5,318,584 | 06-07-1994 | Lange et al. | |
| | | 5,320,607 | 06-14-1994 | Ishibashi | |
| | | 5,334,502 | 11-27-1991 | Sangha | |
| | | 5,354,692 | 09-08-1992 | Yang et al. | |
| | | 5,366,902 | 11-22-1994 | Cox et al. | |
| | | 5,368,047 | 11-29-1994 | Suzuki et al. | |
| | | 5,395,387 | 03-07-1995 | Burns | |
| | | 5,424,220 | 01-31-1992 | Goerlach-Graw et al. | |
| | | 5,565,170 | 10-15-1996 | Sakamoto | |
| | | 5,569,212 | 10-29-1996 | Brown | |
| | | 5,582,184 | 12-10-1996 | Erickson et al. | |
| | | 5,628,309 | 05-13-1997 | Brown | |
| | | 5,628,764 | 03-21-1995 | Schrage | |
| | | 5,638,828 | 06-17-1997 | Lauks et al. | |
| | | 5,668,017 | 09-16-1997 | Buchanan et al. | |
| | | 5,682,233 | 10-28-1997 | Brinda | |
| | | 5,700,695 | 12-23-1997 | Yassinzadeh et al. | |
| | | 5,710,049 | 06-04-1990 | Noppe et al. | |
| u | | 5,712,172 | 04-18-1995 | Huang et al. | |

| | | | |
|-----------------------|---------|--------------------|---------|
| Examiner Signature | C. Chin | Date Considered | 3/21/04 |
|-----------------------|---------|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



RECEIVED
DEC 18 2003

TECH CENTER 3000/2900

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
|--|--------------------------|--|--------------------------------|--|--|
| | | | | Application Number | 09/875,297 |
| | | | | Filing Date | 6/7/2001 |
| | | | | First Named Inventor | DOUGLAS, RADWANSKI, DUCHON, ET AL |
| | | | | Group Art Unit | 1641 |
| | | | | Examiner Name | Christopher L. Chin |
| Sheet | 4 | of | 6 | Attorney Docket Number | 7404-89 |
| U.S. PATENT DOCUMENTS | | | | | |
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Application of Cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| cc | | 5,725,831 | 03-10-1998 | Reichler et al. | |
| | | 5,728,587 | 12-18-1989 | Kang et al. | |
| | | 5,872,713 | 02-16-1999 | Douglas et al. | |
| | | 6,162,639 | 12-19-2000 | Douglas | |
| cc | | D 254,444 | 03-11-1980 | Levine | |

| | | | |
|-----------------------|----------------|--------------------|---------|
| Examiner Signature | <i>C. Chin</i> | Date Considered | 3/21/04 |
|-----------------------|----------------|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



RECEIVED

DEC 18 2003

TECH CENTER 1600/2900

WEMMH/SB/08A (4/03)

For use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| | | | | | | | |
|--|---------------|---------------------------|--|--------------------------------|---|--|----------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | | | |
| | | | | Application Number | 09/875,297 | | |
| | | | | Filing Date | 6/7/2001 | | |
| | | | | First Named Inventor | DOUGLAS, RADWANSKI, DUCHON, ET A | | |
| | | | | Group Art Unit | 1641 | | |
| | | | | Examiner Name | Christopher L. Chin | | |
| | | | | Attorney Docket Number | 7404-89 | | |
| Sheet | 5 | of | 6 | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initials* | Cite 1 No. | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Application of Cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ² | Number-Kind Code ⁵ (if known) | | | | |
| u ↓ u | | DE 37 08 031 | A1 | 11-12-1987 | | | |
| | | EP 0 852 336 | | 07-08-1998 | | | |
| | | WO 85/04089 | A1 | 09-26-1985 | | | |
| | | WO 95/10223 | A2 | 04-20-1995 | | | |
| | | WO 96/32635 | | 11-09-1999 | | | |
| | | WO 97/12242 | | 04-03-1997 | | | |
| | | WO 97/43962 | A1 | 11-27-1997 | | | |

| | | | |
|-----------------------|---------|--------------------|---------|
| Examiner Signature | C. Chin | Date Considered | 3/21/04 |
|-----------------------|---------|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



DEC 18

TECH CENTER 1000, L000

WEMMH/SB/08B (4/03)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| | | | | | |
|---|--------------------------|--|---|------------------------|----------------------------------|
| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 09/875,297 |
| | | | | Filing Date | 6/7/2001 |
| | | | | First Named Inventor | DOUGLAS, RADWANSKI, DUCHON, ET A |
| | | | | Group Art Unit | 1641 |
| | | | | Examiner Name | Christopher L. Chin |
| Sheet | 6 | of | 6 | Attorney Docket Number | 7404-89 |
| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | | | |
| Examiner Initials* | Cite No. ¹ | include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published | | | T ² |
| u | | ASH ET AL., "Subcutaneous Capillary Filtrate Collector for Measurement of Blood Glucose", ASAIO Journal, 1992 | | | <input type="checkbox"/> |
| | | BRACE ET AL., "Re-evaluation of the Needle Method for Measuring Interstitial Fluid Pressure", American Journal of Physiology, 1975 | | | <input type="checkbox"/> |
| | | GINSBERG, "An Overview of Minimally Invasive Technologie", Clinical Chemistry, 1992 | | | <input type="checkbox"/> |
| | | JANLE-SWAIN ET AL., "Use of a Capillary Filtrate Collector for Monitoring Glucose in Diabetics", ASAIO Journal, 1987 | | | <input type="checkbox"/> |
| | | KAYASHIMA ET AL., "Suction Effusion Fluid from Skin and Constituent Analysis: New Candidate for Interstitial Fluid", American Journal of Physiology, 1992 | | | <input type="checkbox"/> |
| u | | TURNER ET AL., "Diabetes Mellitus: Biosensors for Research and Management", Biosensors, 1985 | | | <input type="checkbox"/> |

| | | | |
|-----------------------|---------|--------------------|---------|
| Examiner Signature | C. Chin | Date Considered | 3/21/04 |
|-----------------------|---------|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.